FUJITSU

DATA SHEET

ESPRIMO P1500

Issue: October 2009

The wide-ranging home office and multimedia PC

ESPRIMO P1500

The wide-ranging ESPRIMO P1500 is the ideal home office and multimedia PC for families. Equipped with powerful Intel® processor and NVIDIA® graphics technology it is ideal for processing holiday photos, surfing the Internet and for gaming. The optional built-in Blu-ray player makes it a joy to use Blu-ray disks in HD quality. A wide selection of interfaces makes it easy to connect external devices - it's child play.

Performance

Performance to meet all demands - for office applications and games as well as photo processing

- Intel® Core™2 Quad processor, NVIDIA® graphics card, up to 4 GB memory and 3 TB hard disk capacity

Designed and engineered in Germany

Outstanding quality and stable functions based on German production standards

- The development, production and function tests are all under one roof in Germany

Multimedia

Un-restricted joy with Blu-ray disks in HD quality

- Blu-ray drive (optional) and HDMI interface with the corresponding multimedia software

Connectivity

Comfortable connection of external devices and easy reading of the various storage media

- 20-in-1 card reader, many different interfaces, LAN

Components

Processor	Intel® Core™2 Quad processor Q9550 (2.83 GHz, 12 MB, 1333 MHz)
	Intel® Core™2 Quad processor Q9505 (2.83 GHz, 6 MB, 1333 MHz)
	Intel® Core™2 Quad processor Q9400 (2.66 GHz, 6 MB, 1333 MHz)
	Intel® Core™2 Quad processor Q8300 (2.5 GHz, 4 MB, 1333 MHz)
	Intel® Core™2 Quad processor Q8200 (2.33 GHz, 4 MB, 1333 MHz)
	Intel® Core™2 Duo processor E8600 (3.33 GHz, 6 MB, 1333 MHz)
	Intel® Core™2 Duo processor E8500 (3.16 GHz, 6 MB, 1333 MHz)
	Intel® Core™2 Duo processor E8400 (3.0 GHz, 6 MB, 1333 MHz)
	Intel® Core™2 Duo processor E7600 (3.06 GHz, 3 MB, 1066 MHz)
	Intel® Core™2 Duo processor E7500 (2.93 GHz, 3 MB, 1066 MHz)
	Intel® Core™2 Duo processor E7400 (2.8 GHz, 3 MB, 1066 MHz)
	Intel® Pentium® processor E6300 (2.8 GHz, 2 MB, 1066 MHz)
	Intel® Pentium® processor E5400 (2.7 GHz, 2 MB, 800 MHz)
	Intel® Pentium® processor E5300 (2.6 GHz, 2 MB, 800 MHz)
	Intel® Pentium® processor E5200 (2.5 GHz, 2 MB, 800 MHz)
Memory modules	2 GB (1 module(s) with 2 GB) DDR2, 800 MHz, PC2-6400
	1 GB (1 module(s) with 1 GB) DDR2, 800 MHz, PC2-6400
Hard disk drives (internal)	SATA II, 7200 rpm, 1500 GB, 3.5-inch, S.M.A.R.T.
	SATA II, 7200 rpm, 1000 GB, 3.5-inch, S.M.A.R.T.
	SATA II, 7200 rpm, 500 GB, 3.5-inch, S.M.A.R.T.
	SATA II, 7200 rpm, 320 GB, 3.5-inch, S.M.A.R.T.
	SATA II, 7200 rpm, 250 GB, 3.5-inch, S.M.A.R.T.
Graphics add on cards (optional)	NVIDIA® GeForce® GT 220 1024 MB
Modular bay options	Blu-ray combo drive
	DVD Super Multi
Interface add on cards/components (optional)	
	WLAN III, 802.11g/Draft-n (Windows only)
	FireWire PCI-Card IEEE1394
Base unit	**ESPRIMO P1500**
Mainboard	
Mainboard type	D2950
Formfactor	reduced µATX
Chipset	NVIDIA® MCP73PV
Processor socket	LGA 775
Processor quantity maximum	1
System bus (FSB / HT / QPI)	1333 MHz
Memory slots	2 DIMM (DDR2)
Supported capacity RAM (max.)	4 GB
Memory frequency	800 MHz
LAN	10/100/1000 MBit/s
BIOS version	Phoenix 6.0
BIOS features	BIOS based on Phoenix SecureCore Recovery BIOS
Audio codec	Realtek ALC663
Audio features	High Definition audio, 5.1 surround sound
I/O controller on board	
Serial ATA total	4
Controller functions	Serial ATA II 3 GBit
Interfaces	
Audio: line-in / microphone	1

Interfaces	
Audio: line-in	1
Audio: line-out	1
Front audio: headphone	1
Front audio: microphone	1
USB 2.0 total	8
USB front	2
USB rear	4
USB internal	2
VGA	1
DVI	1
Serial (RS-232)	1 (9pi, 16 byte FIFO, 16550 compatible)
HDMI	1
Mouse / Keyboard (PS/2)	1/1
Ethernet (RJ-45)	1
Input device / components	
	Optical USB wheel mouse Keyboard
Drive bays	
Drive bays total	5
3.5-inch internal bays	2
3.5-inch external bays	1
5.25-inch external bays	2
Slots	
PCI-Express x16	1 x (240 mm) full height
PCI-Express x1	1 full height
PCI (32-bit / 33 MHz)	2 x (240 mm) full height
Graphics brand name	NVIDIA® GeForce® 7050
Refresh rate 1024 x 768 (recommended / max.)	85 Hz / -
Refresh rate 1280 x 1024 (recommended / max.)	85 Hz / -
Refresh rate 1600 x 1200 (recommended / max.)	85 Hz / -
TFT resolution (VGA)	1024 x 768 pixel 1360 x 768 pixel 1440 x 900 pixel 1680 x 1050 pixel 1920 x 1200 pixel
TFT resolution (DVI)	1360 x 768 pixel 1440 x 900 pixel 1680 x 1050 pixel 1920 x 1200 pixel
Graphic notes	Shared memory depending on driver Resolution (color depth up to 32 Bit/pixel) Refresh rates reflect the max. graphics capabilities. Video quality can be deteriorated when using maximum settings. For TFT we recommend to use 60Hz.
Electrical values	
Rated voltage range	200 - 240 V
Rated frequency range	50 - 60 Hz
Operating voltage range	200 - 240 V
Operating line frequency range	47 - 63 Hz
Max. output of power supply	330 W
Monitor outlet	No
Power consumption	
Power consumption note	see white paper Energy Consumption

Heat dissipation	
Heat dissipation notes	see white paper Energy Consumption
Noise for standard configuration (HDD, ODD, FDD)	
Noise emission	According to ISO9296
Related Processors for noise	Intel® Core™2 Quad Q8300
Noise Operation mode 1: ODD load (Blue angel requirement)	4.4 / 29 dB(A)
Noise Operation mode 2: HDD load (Blue angel requirement)	4.3 / 28 dB(A)
Noise Operation mode 3: CPU 90% load (Blue angel requirement)	4.1 / 27 dB(A)
Noise Operation mode 4: High load	4.4 / 29 dB(A)
Noise Operation mode 5: Office applications	4.3 / 28 dB(A)
Idle mode (Blue Angel requirement)	4.0 B / 25 dB(A)
Noise notes / description	A weighted sound power level Lwad (in B) / workplace related A-weighted sound pressure level LpAm (in dB(A)), Bystander position
Dimensions / Weight / Environmental	
Dimension (W x D x H)	175 x 425 x 353 mm
Operating position	Vertical
Weight	approx. 11 kg
Weight notes	Weight may vary depending on actual configuration
Operating ambient temperature	15 - 35°C
Compliance	
Product	ESPRIMO P1500
Model	MI4W-D2950
Europe	CE
Global	RoHS (Restriction of hazardous substances) WEEE (Waste electrical and electronical equipment)
Compliance link	https://sp.ts.fujitsu.com/sites/certificates/default.aspx
Operating system	
Operating system optional preinstalled	Microsoft® Windows Vista® Home Premium
Operating system compatible	Microsoft® Windows Vista® Home Premium
Operating system notes	All Windows Vista® versions are Office 2007 ready.
Additional Software	
Additional software (preinstalled)	Nero Essentials (burning software)
Additional software (optional)	CyberLink Power DVD (playback software for Blu-ray Disc™, only with Blu-ray Disc™ drive)
Additional software (included as a CD/DVD)	Recovery DVD (Windows Vista®) Drivers & Utilities DVD (DUDVD) Windows Vista®
Compatibility (references)	
	DMI 2.0 USB 2.0 WMI 1.5
Security	
Physical security	Kensington Lock support Eye for padlock
System security	Boot sector virus protection Control of external interfaces
User security	User and supervisor BIOS password
Packaging information	
Packaging dimension	500x290x540 mm
Max. quantity / pallet	24
Material - Weight (g) Carton	1270 g

Packaging information

Material - Weight (g) EPS / PS	210 g
Material - Weight (g) PE	appr. 60 g
Packaging notes	printed user documentation is bleached in chlorine free process

Warranty

Service level	(depending on country)

Maintenance and Support Services - the perfect extension

Recommended Service	5x9, Response Time: Next Business Day
Spare Parts availability	3 years
Service Weblink	http://ts.fujitsu.com/Supportservice

Information about environmental care, policies, programs and our Environmental Guideline FSC 03230:
http://ts.fujitsu.com/aboutus
Take back and Recycling information:
http://ts.fujitsu.com/recycling

All rights reserved, including intellectual property rights. Changes to technical data reserved. Delivery subject to availability. Any liability that the data and illustrations are complete, actual or correct is excluded.
Designations may be trademarks and/or copyrights of the respective manufacturer, the use of which by third parties for their own purposes may infringe the rights of such owner.
For further information see http://ts.fujitsu.com/terms_of_use.html
Copyright © Fujitsu Technology Solutions October 2009

Published by
Fujitsu Technology Solutions
http://ts.fujitsu.com